1. Identify the angle that is in standard position.
2. In which quadrant is the terminal side of the angle
3. Quadrant I
4. Quadrant II
5. Quadrant III
6. Quadrant IV
7. In which quadrant is the terminal side of the angle
8. Quadrant I
9. Quadrant II
10. Quadrant III
11. Quadrant IV
12. The needle of the scale in the produce food section of the grocery store is long. Find the distance the tip of the needle travels when it rotates . Draw a picture.
13. Use the unit circle and symmetry to help you evaluate the function.
14. Use a calculator to evaluate the expression.
15. Identify the ratio that defines the trigonometric function of the angle
16. Identify the ratio for the indicated angle and find its value.
17. Let be an acute angle. Use the given function value and trigonometric identities to find the indicated trigonometric function.

If find

1. Use the fundamental trigonometric identities to determine the simplified form of the expression.
2. Use a calculator to evaluate the function. (Be sure the calculator is in the correct angle mode.)
3. A foot ladder makes an angle of with the ground as it leans against a house. How far up the house does the ladder reach? Draw a picture.
4. ft
5. ft
6. ft
7. ft
8. Given and find Draw a right triangle in the correct quadrant.
9. Identify the quadrant in which lies. and
10. Quadrant I
11. Quadrant II
12. Quadrant III
13. Quadrant IV
14. Find the reference angle . . Draw these **angles** on the Cartesian plane.
15. Find the exact value of the function: .

For problems 17-20, choose the correct trigonometric identity.